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Electromagnetic and Gravitational Hopfion-like solutions in de Sitter spacetime

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Hopfions are a family of 'solitonary' field solutions which have non-trivial topological structure associated with Hopf fibration. I will present a generalisation of such solutions, based on conformal transformations, to de Sitter spacetime. Two physical applications of Hopfion-like solutions: electromagnetism and linear gravitation will be discussed.

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